

Appendix A. Table 2. Analysis of variance of cumulative feed and water intake data of broiler cockerels which received ICV injections of histamine (0, 25, 50, or 100µg/10µl) (Chapter 1).

	df	Sum of squares	Mean Square	F Value	Pr > F
FCON 0- 15					
TRT	3	31.136	10.378	4.57	0.0541
DAY	3	1.541	0.513	0.23	0.8748
BIRD	3	2.031	0.677	0.30	0.8257
WCON 0- 15					
TRT	3	62.500	20.833	2.50	0.1565
DAY	3	62.500	20.833	2.50	0.1565
BIRD	3	25.000	8.333	1.00	0.4547
FCON 0- 30					
TRT	3	82.656	27.552	3.09	0.1114
DAY	3	5.091	1.697	0.19	0.8993
BIRD	3	18.916	6.305	0.71	0.5821
WCON 0- 30					
TRT	3	106.250	35.416	1.06	0.4321
DAY	3	6.250	2.083	0.06	0.9778
BIRD	3	131.250	43.750	1.31	0.3542
FCON 0- 45					
TRT	3	115.841	38.613	3.38	0.0951
DAY	3	16.791	5.597	0.49	0.7016
BIRD	3	35.878	11.957	1.05	0.4372
WCON 0- 45					
TRT	3	404.687	134.895	2.85	0.1276
DAY	3	4.687	1.562	0.03	0.9911
BIRD	3	267.187	89.062	1.88	0.2341
FCON 0- 60					
TRT	3	142.125	47.375	4.28	0.0617
DAY	3	41.645	13.881	1.25	0.3711
BIRD	3	41.060	13.686	1.24	0.3762
WCON 0- 60					
TRT	3	692.187	230.729	3.49	0.0901
DAY	3	42.187	14.062	0.21	0.8842
BIRD	3	404.687	134.895	2.04	0.2099
FCON 0- 75					
TRT	3	151.387	50.462	4.93	0.0465
DAY	3	43.302	14.434	1.41	0.3287
BIRD	3	47.427	15.809	1.54	0.2972
WCON 0- 75					
TRT	3	1154.687	384.895	4.89	0.0472
DAY	3	204.687	68.229	0.87	0.5077
BIRD	3	492.187	164.062	2.09	0.2035
FCON 0- 90					
TRT	3	229.281	76.427	8.32	0.0147
DAY	3	68.886	22.962	2.50	0.1566
BIRD	3	118.566	39.522	4.30	0.0610

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WCON 0- 90					
TRT	3	2104.687	701.562	4.69	0.0514
DAY	3	642.187	214.062	1.43	0.3233
BIRD	3	1492.187	497.395	3.33	0.0980
FCON 0-105					
TRT	3	306.236	102.078	7.32	0.0198
DAY	3	115.286	38.428	2.76	0.1343
BIRD	3	159.691	53.230	3.82	0.0764
WCON 0-105					
TRT	3	2642.187	880.729	4.46	0.0568
DAY	3	1229.687	409.895	2.08	0.2048
BIRD	3	2479.687	826.562	4.19	0.0643
FCON 0-120					
TRT	3	391.632	130.544	8.83	0.0128
DAY	3	117.367	39.122	2.65	0.1434
BIRD	3	144.682	48.227	3.26	0.1015
WCON 0-120					
TRT	3	2568.750	856.250	4.52	0.0554
DAY	3	968.750	322.916	1.70	0.2648
BIRD	3	2768.750	922.916	4.87	0.0477
FCON 0-135					
TRT	3	429.247	143.082	8.64	0.0135
DAY	3	113.922	37.974	2.29	0.1780
BIRD	3	140.212	46.737	2.82	0.1293
WCON 0-135					
TRT	3	3237.500	1079.166	5.34	0.0394
DAY	3	1062.500	354.166	1.75	0.2557
BIRD	3	3362.500	1120.833	5.55	0.0364
FCON 0-150					
TRT	3	530.185	176.728	10.91	0.0076
DAY	3	82.375	27.458	1.70	0.2662
BIRD	3	140.410	46.803	2.89	0.1244
WCON 0-150					
TRT	3	3562.500	1187.500	6.71	0.0241
DAY	3	712.500	237.500	1.34	0.3466
BIRD	3	3987.500	1329.166	7.51	0.0187
FCON 0-165					
TRT	3	653.610	217.870	11.00	0.0075
DAY	3	58.065	19.350	0.98	0.4635
BIRD	3	183.695	51.231	3.09	0.1113
WCON 0-165					
TRT	3	4218.750	1406.250	5.67	0.0347
DAY	3	1118.750	372.916	1.50	0.3062
BIRD	3	4668.750	1556.250	6.28	0.0279
FCON 0-180					
TRT	3	610.722	203.574	10.93	0.0076
DAY	3	47.862	15.954	0.86	0.5123
BIRD	3	202.272	67.424	3.62	0.0843

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WCON 0-180					
TRT	3	3881.250	1293.750	6.34	0.0273
DAY	3	856.250	285.416	1.40	0.3317
BIRD	3	5681.250	1893.750	9.28	0.0114
FCON 0- 15					
LINEAR	1	22.520	22.520	9.92	0.0198
QUADRATIC	1	7.861	7.861	3.46	0.1121
WCON 0- 15					
LINEAR	1	45.714	45.714	5.49	0.0577
QUADRATIC	1	0.365	0.365	0.04	0.8410
FCON 0- 30					
LINEAR	1	60.654	60.65	6.80	0.0403
QUADRATIC	1	19.922	19.922	2.23	0.1857
WCON 0- 30					
LINEAR	1	94.464	94.464	2.83	0.1433
QUADRATIC	1	4.906	4.906	0.15	0.7144
FCON 0- 45					
LINEAR	1	79.426	79.426	6.96	0.0386
QUADRATIC	1	33.839	33.839	2.97	0.1358
WCON 0- 45					
LINEAR	1	337.901	337.901	7.13	0.0370
QUADRATIC	1	58.578	58.578	1.24	0.3088
FCON 0- 60					
LINEAR	1	118.864	118.864	10.73	0.0169
QUADRATIC	1	22.594	22.594	2.04	0.2032
WCON 0- 60					
LINEAR	1	511.116	511.116	7.73	0.0320
QUADRATIC	1	55.532	55.532	0.84	0.3949
FCON 0- 75					
LINEAR	1	138.603	138.603	13.54	0.0103
QUADRATIC	1	12.223	12.223	1.19	0.3164
WCON 0- 75					
LINEAR	1	912.901	912.901	11.61	0.0144
QUADRATIC	1	82.137	82.137	1.04	0.3462
FCON 0- 90					
LINEAR	1	225.425	225.425	24.53	0.0026
QUADRATIC	1	1.718	1.718	0.19	0.6805
WCON 0- 90					
LINEAR	1	1912.901	1912.901	12.80	0.0117
QUADRATIC	1	113.917	113.917	0.76	0.4162
FCON 0-105					
LINEAR	1	297.986	297.986	21.38	0.0036
QUADRATIC	1	2.910	2.910	0.21	0.6638
WCON 0-105					
LINEAR	1	2465.401	2465.401	12.49	0.0123
QUADRATIC	1	85.793	85.793	0.43	0.5342

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FCON 0-120					
LINEAR	1	378.843	378.843	25.62	0.0023
QUADRATIC	1	11.277	11.277	0.76	0.4121
WCON 0-120					
LINEAR	1	2444.464	2444.464	12.89	0.0115
QUADRATIC	1	58.535	58.535	0.31	0.5985
FCON 0-135					
LINEAR	1	414.520	414.520	25.03	0.0024
QUADRATIC	1	13.814	13.814	0.83	0.3963
WCON 0-135					
LINEAR	1	2925.714	2925.714	14.48	0.0089
QUADRATIC	1	25.317	25.317	0.13	0.7355
FCON 0-150					
LINEAR	1	514.561	514.561	31.78	0.0013
QUADRATIC	1	15.639	15.639	0.97	0.3637
WCON 0-150					
LINEAR	1	3111.428	3111.428	17.57	0.0057
QUADRATIC	1	1.005	1.005	0.01	0.9424
FCON 0-165					
LINEAR	1	613.207	613.207	30.95	0.0014
QUADRATIC	1	40.248	40.248	2.03	.2039
WCON 0-165					
LINEAR	1	3754.464	3754.464	15.14	0.0081
QUADRATIC	1	4.037	4.037	0.02	0.9026
FCON 0-180					
LINEAR	1	574.087	574.087	30.83	0.0014
QUADRATIC	1	36.116	36.116	1.94	0.2131
WCON 0-180					
LINEAR	1	3550.178	3550.178	17.39	0.0059
QUADRATIC	1	36.462	36.462	0.18	0.6873